

PTO/SB/08A (07-05)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

of

Complete if Known

Application Number 10/772,172

Filing Date February 3, 2004

First Named Inventor Gleason et al.

Art Unit 3729

Examiner Name TBD

Attorney Docket Number 1016.2026

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
RC		US- 5,368,634	11/29/1994	Hackett	
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
RC		JP 4165361	06/11/1992			
RC		JP 2129393	05/17/1990			

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

Examiner Signature	/Rick Chang/	Date Considered	07/31/2006
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Application Number	10/772,172
Filing Date	February 3, 2004
First Named Inventor	Gleason et al.
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Examiner Name	TBD
Attorney Docket Number	1016.2026

U.S. PATENT DOCUMENTS

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		Number - Kind Code ² (if known)			
RC		US- 2,389,668	11/27/1945	Johnson	
		US- 3,829,076	8/13/1974	Sofy	
		US- 3,839,672	10/1974	Anderson	
		US- 3,936,743	2/3/1976	Roch	
		US- 4,008,900	2/22/1977	Khoshaba	
		US- 4,038,894	8/2/1977	Knibbe et al.	
		US- 4,049,252	9/20/1977	Bell	
		US- 4,066,943	1/3/1978	Roch	
		US- 4,284,033	8/18/1981	Del Rio	
		US- 4,312,117	1/1982	Robillard et al.	
		US- 4,531,474	7/30/1985	Inuta	
		US- 4,673,839	6/1987	Veenendaal	
		US- 4,755,746	7/5/1988	Mallory et al.	
		US- 4,827,211	5/1989	Strid et al.	
		US- 4,899,998	2/13/1990	Teramachi	
		US- 4,904,933	2/1990	Snyder et al.	
		US- 4,912,399	3/1990	Greub et al.	
		US- 4,916,002	4/10/1990	Carver	
		US- 5,003,253	3/1991	Majidi-Ahy et al.	
		US- 5,145,552	9/8/1992	Yoshizawa et al.	
		US- 5,313,157	5/1994	Pasiecznik, Jr.	
		US- 5,321,352	6/14/1994	Takebuchi	
		US- 5,326,412	7/5/1994	Schreiber et al.	
		US- 5,367,165	11/22/1994	Toda et al.	
		US- 5,355,079	10/1994	Evans	
		US- 5,479,108	12/26/1995	Cheng	
		US- 5,481,936	1/9/1996	Yanagisawa	
		US- 5,487,999	1/1996	Farnworth	
		US- 5,532,608	7/1996	Behfar-Rad et al.	
		US- 5,571,324	11/5/1996	Sago et al.	
		US- 5,669,316	9/23/1997	Faz et al.	
		US- 5,670,888	9/23/1997	Cheng	
		US- 5,676,360	10/14/1997	Boucher et al.	
		US- 5,685,232	11/11/1997	Inoue	
		US- 5,686,317	11/1997	Akram et al.	
		US- 5,811,751	9/1998	Leong et al.	
		US- 5,883,522	3/16/1999	O'Boyle	
		US- 5,959,461	9/1999	Brown et al.	
		US- 5,963,364	10/1999	Leong et al.	
		US- 5,982,166	11/9/1999	Mautz	
		US- 6,059,982	5/2000	Pelagonia et al.	
		US- 6,268,016	7/2001	Bhatt et al.	
		US- 6,351,885	3/2002	Suzuki et al.	
		US- 6,352,454	3/2002	Kim et al.	
		US- 6,459,739	10/1/2002	Vitenberg	
		US- 6,902,416	6/7/2005	Feldman	
RC		US- 6,902,941	6/7/2005	Sun	



RC		US- 6,903,563	6/7/2005	Yoshida et al.	
		US- 6,906,506	6/14/2005	Reano et al.	
		US- 6,906,539	6/14/2005	Wilson et al.	
		US- 6,906,542	6/14/2005	Sakagawa et al.	
		US- 6,906,543	6/14/2005	Lou et al.	
		US- 6,907,149	6/14/2005	Slater	
		US- 6,908,364	6/21/2005	Back	
		US- 6,909,297	6/909/297	Ji et al.	
		US- 6,909,300	6/21/2005	Lu et al.	
		US- 6,909,983	6/21/2005	Sutherland	
		US- 6,911,826	6/28/2005	Plotnikov et al.	
		US- 6,911,834	6/28/2005	Mitchell et al.	
		US- 6,912,468	6/28/2005	Marin et al.	
		US- 6,914,427	7/5/2005	Gifford et al.	
		US- 6,914,430	7/5/2005	Hasegawa et al.	
		US- 6,917,195	7/12/2005	Hollman	
		US- 6,917,211	7/12/2005	Yoshida et al.	
		US- 6,917,525	7/12/2005	Mok et al.	
		US 6,919,732	7/19/2005	Yoshida et al.	
		US- 6,922,069	7/26/2005	Jun	
		US- 6,924,653	8/2/2005	Schaeffer et al.	
		US- 6,924,655	8/2/2005	Kirby	
		US- 6,927,078	8/9/2005	Saijyo et al.	
		US- 6,927,079	8/9/2005	Fyfield	
		US- 6,927,586	8/9/2005	Thiessen	
		US- 6,927,587	8/9/2005	Yoshioka	
		US- 6,927,598	8/9/2005	Lee et al.	
		US- 6,930,498	8/16/2005	Tervo et al.	
		US- 6,933,713	8/23/2005	Cannon	
		US- 6,933,717	8/23/2005	Dogaru et al.	
		US- 6,933,725	8/23/2005	Lim et al.	
		US- 6,933,736	8/23/2005	Kobayashi et al.	
		US- 6,933,737	8/23/2005	Sugawara	
		US- 6,937,020	8/30/2005	Munson et al.	
		US- 6,937,037	8/30/2005	Eldridge et al.	
		US- 6,937,039	8/30/2005	Barr et al.	
		US- 6,937,040	8/30/2005	Maeda et al.	
		US- 6,937,042	8/30/2005	Yoshida et al.	
		US- 6,937,045	8/30/2005	Sinclair	
		US- 6,940,264	9/6/2005	Ryken et al.	
		US- 6,940,283	9/6/2005	McQueeney	
		US- 6,943,563	9/13/2005	Martens	
		US- 6,943,571	9/13/2005	Worledge	
		US- 6,943,574	9/13/2005	Altmann et al.	
		US- 6,944,380	9/13/2005	Hideo et al.	
		US- 6,946,375	9/20/2005	Hattori et al.	
		US- 6,946,859	9/20/2005	Karavakis et al.	
		US- 6,946,860	9/20/2005	Cheng et al.	
		US- 6,948,391	9/27/2005	Brassell et al.	
RC		US- 6,948,981	9/27/2005	Pade	

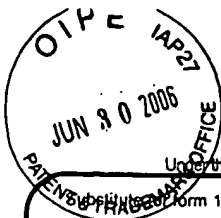
FOREIGN PATENT DOCUMENTS							
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RC		JP 11-4001		1/6/1999			
RC		WO 01/07207		7/21/1999			

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		Number - Kind Code ² (if known)			
RC		US- 2,389,668	11/27/1945	Johnson	
		US- 3,401,126	9/1968	Miller et al.	
		US- 3,429,040	2/1969	Miller	
		US- 3,445,770	5/20/1969	Harmon	
		US- 3,541,222	11/1970	Parks et al.	
		US- 3,596,228	7/1971	Reed, Jr. et al.	
		US- 3,634,807	1/1972	Grobe et al.	
		US- 3,654,585	4/1972	Wichersham	
		US- 3,680,037	7/1972	Nellis et al.	
		US- 3,700,998	10/24/1972	Lee et al.	
		US- 3,806,801	4/23/1974	Bove	
		US- 3,829,076	8/13/1974	Sofy	
		US- 3,839,672	10/1974	Anderson	
		US- 3,849,728	11/19/1974	Evans	
		US- 3,862,790	1/1975	Davies et al.	
		US- 3,936,743	2/3/1976	Roch	
		US- 3,971,610	7/1976	Bughoff et al.	
		US- 4,008,900	2/22/1977	Khoshaba	
		US- 4,027,935	6/1977	Bymes et al.	
		US- 4,038,599	7/1977	Bove et al.	
		US- 4,038,894	8/2/1977	Knibbe et al.	
		US- 4,049,252	9/20/1977	Bell	
		US- 4,066,943	1/3/1978	Roch	
		US- 4,184,729	1/1980	Parks et al.	
		US- 4,284,033	8/18/1981	Del Rio	
		US- 4,312,117	1/1982	Robillard et al.	
		US- 4,531,474	7/30/1985	Inuta	
		US- 4,581,679	4/8/1986	Smolley	
		US- 4,593,243	6/3/1986	Lao et al.	
		US- 4,636,722	1/1987	Ardezzone	
		US- 4,636,772	1/1987	Yasunaga	
		US- 4,649,339	3/1987	Grangroth et al.	
		US- 4,663,840	5/5/1987	Ubbens et al.	
		US- 4,673,839	6/1987	Veenendaal	
		US- 4,697,143	9/29/1987	Lockwood et al.	
		US- 4,707,657	11/1987	Boegh-Petersen	
		US- 4,755,746	7/5/1988	Mallory et al.	
		US- 4,793,814	12/1988	Zifcak	
		US- 4,727,391	2/23/1988	Shahriary	
		US- 4,749,942	6/7/1988	Sang et al.	
		US- 4,791,363	12/13/1988	Logan	
		US- 4,795,962	1/3/1989	Yanagawa, et al.	
		US- 4,827,211	5/1989	Strid et al.	
		US- 4,837,507	6/1989	Hechtman	
		US- 4,849,689	7/18/1989	Gleason et al.	
		US- 4,871,964	10/3/1989	Boll et al.	
		US- 4,894,612	1/16/1990	Drake et al.	
RC		US- 4,899,998	2/13/1990	Teramachi	

RC		US- 4,904,933	2/1990	Snyder et al.	
		US- 4,906,920	3/6/1990	Huff et al.	
		US- 4,912,399	3/1990	Greub et al.	
		US- 4,916,002	4/10/1990	Carver	
		US- 4,918,383	4/17/1990	Huff et al.	
		US- 4,922,192	5/1/1990	Gross et al.	
		US- 4,975,638	12/4/1990	Evans et al.	
		US- 4,980,637	12/25/1990	Huff et al.	
		US- 4,983,910	1/8/1991	Majidi-Ahy et al.	
		US- 4,987,100	1/22/1991	McBride et al.	
		US- 4,991,290	2/12/1991	MacKay	
		US- 4,998,062	3/5/1991	Ikeda	
		US- 5,003,253	3/1991	Majidi-Ahy et al.	
		US- 5,020,219	6/4/1991	Leedy	
		US- 5,021,186	6/4/1991	Ota et al.	
		US- 5,045,781	9/3/1991	Gleason et al.	
		US- 5,059,898	10/22/1991	Barsotti et al.	
		US- 5,061,192	10/29/1991	Chapin et al.	
		US- 5,069,628	12/3/1991	Crumly	
		US- 5,097,101	3/17/1992	Trobough	
		US- 5,126,286	6/30/1992	Chance	
		US- 5,133,119	7/28/1992	Afshari et al.	
		US- 5,134,365	7/28/1992	Okubo et al.	
		US- 5,136,237	8/4/1992	Smith et al.	
		US- 5,145,552	9/8/1992	Yoshizawa et al.	
		US- 5,145,552	9/1992	Pasiecznik, Jr.	
		US- 5,172,050	12/15/1992	Swapp	
		US- 5,177,438	1/5/1993	Littlebury et al.	
		US- 5,180,977	1/1993	Huff	
		US- 5,207,585	5/1993	Byrnes et al.	
		US- 5,225,037	7/1993	Elder et al.	
		US- 5,274,336	12/28/1993	Crook	
		US- 5,293,175	3/8/1994	Hemmie et al.	
		US- 5,313,157	5/1994	Pasiecznik, Jr.	
		US- 5,321,352	6/14/1994	Takebuchi	
		US- 5,326,412	7/5/1994	Schreiber et al.	
		US- 5,355,079	10/11/1994	Evans et al.	
		US- 5,367,165	11/22/1994	Toda et al.	
		US- 5,371,654	12/5/1994	Beaman et al.	
		US- 5,355,079	10/1994	Evans	
		US- 5,389,885	2/14/1995	Swart	
		US- 5,395,253	3/7/1995	Crumly	
		US- 5,412,866	5/9/1995	Woith et al.	
		US- 5,441,690	8/15/1995	Ayola-Esquelin et al.	
		US- 5,453,404	9/26/1995	Leedy	
		US- 5,476,211	12/19/1995	Khandros	
		US- 5,479,108	12/26/1995	Cheng	
		US- 5,481,936	1/9/1996	Yanagisawa	
		US- 5,487,999	1/1996	Farnworth	
		US- 5,506,515	4/9/1996	Godshalk et al.	
		US- 5,517,126	5/14/1996	Yamaguchi	
		US- 5,521,518	5/28/1996	Higgins	
		US- 5,531,022	7/2/1996	Beaman et al.	
		US- 5,532,608	7/1996	Behfar-Rad et al.	
		US- 5,537,372	7/16/1996	Albrecht et al.	
		US- 5,565,788	10/15/1996	Burr et al.	
		US- 5,571,324	11/5/1996	Sago et al.	
		US- 5,584,120	12/17/1996	Roberts	
		US- 5,589,781	12/31/1996	Higgins et al.	
		US- 5,601,740	2/11/1997	Eldridge et al.	
		US- 5,623,213	4/1997	Liu et al.	
		US- 5,623,214	4/1997	Pasiecznik	
		US- 5,635,846	6/3/1997	Beaman et al.	
RC		US- 5,669,316	9/23/1997	Faz et al.	


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		US- 5,676,360	10/14/1997	Boucher et al.	
		US- 5,685,232	11/11/1997	Inoue	
		US- 5,686,317	11/1997	Akram et al.	
		US- 5,700,844	12/23/1997	Hedrick et al.	
		US- 5,720,098	2/24/1998	Kister	
		US- 5,723,347	3/3/1998	Hirano et al.	
		US- 5,726,211	3/10/1998	Hedrick et al.	
		US- 5,742,174	4/21/1998	Kister et al.	
		US- 5,756,021	5/26/1998	Hedrick et al.	
		US- 5,772,451	6/30/1998	Dozier II et al.	
		US- 5,773,780	6/30/1998	Eldridge et al.	
		US- 5,785,538	7/28/1998	Beaman et al.	
		US- 5,804,607	9/8/1998	Hedrick et al.	
		US- 5,806,181	9/15/1998	Khandros et al.	
		US- 5,810,607	9/22/1998	Shih et al.	
		US- 5,811,982	9/22/1998	Beaman et al.	
		US- 5,811,751	9/1998	Leong et al.	
		US- 5,813,847	9/29/1998	Eroglu et al.	
		US- 5,814,847	9/29/1998	Shihadeh et al.	
		US- 5,820,014	10/13/1998	Dozier II et al.	
		US- 5,821,763	10/13/1998	Beaman et al.	
		US- 5,829,128	11/3/1998	Eldridge et al.	
		US- 5,832,601	11/10/1998	Eldridge et al.	
		US- 5,838,160	11/17/1998	Beaman et al.	
		US- 5,864,946	2/2/1999	Eldridge et al.	
		US- 5,869,974	2/9/1999	Akram et al.	
		US- 5,876,082	3/2/1999	Kempf et al.	
		US- 5,878,486	3/9/1999	Eldridge et al.	
		US- 5,883,522	3/16/1999	O'Boyle	
		US- 5,884,398	3/23/1999	Eldridge et al.	
		US- 5,896,038	4/20/1999	Budnaitis et al.	
		US- 5,900,738	5/4/1999	Khandros et al.	
		US- 5,912,046	6/15/1999	Eldridge et al.	
		US- 5,914,613	6/22/1999	Gleason et al.	
		US- 5,914,614	6/22/1999	Beaman et al.	
		US- 5,917,707	6/29/1999	Khandros et al.	
		US- 5,926,029	7/20/1999	Ference et al.	
		US- 5,926,951	7/27/1999	Khandros et al.	
		US- 5,959,461	9/1999	Brown et al.	
		US- 5,963,364	10/1999	Leong et al.	
		US- 5,973,504	10/26/1999	Chong	
		US- 5,974,662	11/2/1999	Eldridge et al.	
		US- 5,982,166	11/9/1999	Mautz	
		US- 5,983,493	11/16/1999	Eldridge et al.	
		US- 5,994,152	11/30/1999	Khandros	
		US- 5,998,228	12/7/1999	Eldridge et al.	
		US- 5,998,864	12/7/1999	Khandros et al.	
		US- 6,059,982	5/2000	Palagonia et al.	
		US- 6,114,864	9/2000	Soejima et al.	
		US- 6,023,103	2/8/2000	Chang et al.	
		US- 6,029,344	2/29/2000	Khandros et al.	
		US- 6,032,356	3/7/2000	Eldridge et al.	
		US- 6,033,935	3/7/2000	Dozier II et al.	
		US- 6,042,712	3/18/2000	Matheiu	
		US- 6,043,563	3/28/2000	Eldridge et al.	
		US- 6,049,976	4/18/2000	Khandros	
		US- 6,050,829	4/18/2000	Eldridge	
		US- 6,054,651	4/25/2000	Fogel et al.	
		US- 6,059,982	5/2000	Palagonia et al.	
		US- 6,062,879	5/16/2000	Beaman et al.	
		US- 6,064,213	5/16/2000	Khandros et al.	
		US- 6,078,500	6/20/2000	Beaman et al.	
RC		US- 6,090,261	7/18/2000	Mathieu	

RC		US- 6,104,201	8/15/2000	Beaman et al.	
		US- 6,110,823	8/29/2000	Eldridge et al.	
		US- 6,114,864	9/5/2000	Socjima et al.	
		US- 6,118,287	9/12/2000	Boll et al.	
		US- 6,150,186	11/21/2000	Chen et al.	
		2001/0009061	7/2001	Gleason et al.	
		2001/0030549	10/2001	Gleason et al.	
		US- 6,168,974	1/2/2001	Chang et al.	
		US- 6,174,744	1/16/2001	Watanabe et al.	
		US- 6,184,053	2/6/2001	Eldridge et al.	
		US- 6,184,587	2/6/2001	Khandros et al.	
		US- 6,206,273	3/27/2001	Beaman et al.	
		US- 6,208,225	3/27/2001	Miller	
		US- 6,215,196	4/10/2001	Eldridge et al.	
		US- 6,215,670	4/10/2001	Khandros	
		US- 6,218,910	4/17/2001	Miller	
		US- 6,229,327	5/8/2001	Boll et al.	
		US- 6,232,149	5/15/2001	Dozier II et al.	
		US- 6,242,803	6/5/2001	Khandros et al.	
		US- 6,246,247	6/12/2001	Eldridge et al.	
		US- 6,255,126	7/3/2001	Mathieu et al.	
		US- 6,256,882	7/2001	Gleason et al.	
		US- 6,268,015	7/31/2001	Mathieu et al.	
		US- 6,268,016	7/2001	Bhatt et al.	
		US- 6,274,823	8/14/2001	Khandros et al.	
		US- 6,281,691	8/28/2001	Matsunaga et al.	
		US- 6,286,208	9/11/2001	Shih et al.	
		US- 6,295,729	10/02/2001	Beaman et al.	
		US- 6,300,780	10/9/2001	Beaman et al.	
		US- 6,307,161	10/23/2001	Grube et al.	
		US- 6,310,483	10/30/2001	Taura et al.	
		US- 6,329,827	12/11/2001	Beaman et al.	
		US- 6,330,164	12/11/2001	Khandros et al.	
		US- 6,332,270	12/25/2001	Beaman et al.	
		US- 6,334,247	1/1/2002	Beaman et al.	
		US- 6,339,338	1/15/2002	Eldridge et al.	
		US- 6,351,885	3/2002	Suzuki et al.	
		US- 6,352,454	3/2002	Kim et al.	
		US- 6,384,614	5/7/2002	Hager et al.	
		US- 6,400,168	5/4/2002	Matsunaga et al.	
		US- 6,429,029	8/6/2002	Eldridge et al.	
		US- 6,441,315	8/27/2002	Eldridge et al.	
		US- 6,442,831	9/3/2002	Khandros et al.	
		US- 6,448,865	9/10/2002	Miller	
		US- 6,452,406	9/17/2002	Beaman et al.	
		US- 6,452,411	9/17/2002	Miller et al.	
		US- 6,456,099	9/24/2002	Eldridge et al.	
		US- 6,456,103	9/24/2002	Eldridge et al.	
		US- 6,459,343	10/1/2002	Miller	
		US- 6,459,739	10/1/2002	Vitenberg	
		US- 6,468,098	10/22/2002	Eldridge	
		US- 6,475,822	11/5/2002	Eldridge	
		US- 6,476,333	11/5/2002	Khandros et al.	
		US- 6,476,630	11/5/2002	Whitten et al.	
		US- 6,479,308	11/12/2002	Eldridge	
		US- 6,480,978	11/12/2002	Roy et al.	
		US- 6,482,013	11/19/2002	Eldridge et al.	
		US- 6,491,968	12/10/2002	Mathieu et al.	
		US- 6,499,121	12/24/2002	Roy et al.	
		US- 6,501,343	12/31/2002	Miller	
		US- 6,509,751	1/21/2003	Mathieu et al.	
		US- 6,520,778	2/18/2003	Eldridge et al.	
		US- 6,525,555	2/25/2003	Khandros et al.	
RC		US- 6,526,655	3/4/2003	Beaman et al.	

RC		US- 6,528,984	3/4/2003	Beaman et al.	
		US- 6,534,856	3/18/2003	Dozier II et al.	
		US- 6,538,214	3/25/2003	Khandros	
		US- 6,538,538	3/25/2003	Hreish et al.	
		US- 6,539,531	3/25/2003	Miller et al.	
		US- 6,549,106	4/15/2003	Martin	
		US- 6,551,884	4/22/2003	Eldridge et al.	
		US- 6,559,671	5/6/2003	Miller et al.	
		US- 6,597,187	7/22/2003	Eldridge et al.	
		US- 6,603,323	8/5/2003	Miller et al.	
		US- 6,603,324	8/5/2003	Eldridge et al.	
		US- 6,606,014	8/12/2003	Miller	
		US- 6,606,575	8/12/2003	Miller	
		US- 6,615,485	9/9/2003	Eldridge et al.	
		US- 6,616,966	9/9/2003	Mathieu et al.	
		US- 6,621,260	9/16/2003	Eldridge et al.	
		US- 6,622,103	9/16/2003	Miller	
		US- 6,624,648	9/23/2003	Eldridge et al.	
		US- 6,627,483	9/30/2003	Ondricek et al.	
		US- 6,627,980	9/30/2003	Eldridge	
		US- 6,640,415	11/4/2003	Eslamy et al.	
		US- 6,640,432	11/4/2003	Mathieu et al.	
		US- 6,642,625	11/4/2003	Dozier II et al.	
		US- 6,644,982	11/11/2003	Ondricek et al.	
		US- 6,646,520	11/11/2003	Miller	
		US- 6,655,023	12/2/2003	Eldridge et al.	
		US- 6,657,455	12/2/2003	Eldridge et al.	
		US- 6,661,316	12/9/2003	Hreish et al.	
		US- 6,664,628	12/16/2003	Khandros et al.	
		US- 6,669,489	12/30/2003	Dozier II et al.	
		US- 6,672,875	1/6/2004	Mathieu et al.	
		US- 6,677,744	1/13/2004	Long	
		US- 6,678,850	1/13/2004	Ray et al.	
		US- 6,678,876	1/13/2004	Stevens et al.	
		US- 6,680,659	1/20/2004	Miller	
		US- 6,685,817	2/3/2004	Mathieu	
		US- 6,686,754	2/3/2004	Miller	
		US- 6,690,185	2/10/2004	Khandros et al.	
		US- 6,701,612	3/9/2004	Khandros et al.	
		US- 6,708,403	3/24/2004	Beaman et al.	
		US- 6,713,374	3/30/2004	Eldridge et al.	
		US- 6,714,828	3/30/2004	Eldridge et al.	
		US- 6,720,501	4/13/2004	Henson	
		US- 6,722,032	4/20/2004	Beaman et al.	
		US- 6,727,579	4/27/2004	Eldridge et al.	
		US- 6,727,580	4/27/2004	Eldridge et al.	
		US- 6,727,716	4/27/2004	Sharif	
		US- 6,729,019	5/4/2004	Grube et al.	
		US- 6,741,085	5/25/2004	Khandros et al.	
		US- 6,741,092	5/25/2004	Eldridge et al.	
		US- 6,759,311	7/6/2004	Eldridge et al.	
		US- 6,764,869	7/20/2004	Eldridge	
		US- 6,777,319	8/17/2004	Grube et al.	
		US- 6,778,406	8/17/2004	Eldridge et al.	
		US- 6,780,001	8/24/2004	Eldridge et al.	
		US- 6,784,674	8/31/2004	Miller	
		US- 6,784,677	8/31/2004	Miller et al.	
		US- 6,784,679	8/31/2004	Sweet et al.	
		US- 6,788,094	9/7/2004	Khandros et al.	
		US- 6,791,176	9/14/2004	Mathieu et al.	
		US- 6,798,225	9/28/2004	Miller	
		US- 6,807,734	10/26/2004	Eldridge et al.	
		US- 6,811,406	11/2/2004	Grube	
RC		US- 6,812,691	11/2/2004	Miller	

RC		US- 6,815,963	11/9/2004	Gleason et al.	
		US- 6,816,031	11/9/2004	Miller	
		US- 6,817,052	11/16/2004	Grube	
		US- 6,818,840	11/16/2004	Khandros	
		US- 6,822,529	11/23/2004	Miller	
		US- 6,825,052	11/30/2004	Eldridge et al.	
		US- 6,825,422	11/30/2004	Eldridge et al.	
		US- 6,827,584	12/7/2004	Mathieu et al.	
		US- 6,835,898	12/28/2004	Eldridge et al.	
		US- 6,836,962	1/4/2005	Khandros et al.	
		US- 6,839,964	1/11/2005	Henson	
		US- 6,845,491	1/18/2005	Miller et al.	
		US- 6,856,150	2/15/2005	Sporck et al.	
		US- 6,862,727	3/1/2005	Stevens	
		US- 6,864,105	3/8/2005	Grube et al.	
		US- 6,864,694	3/8/2005	McTigue	
		US- 6,870,381	3/22/2005	Grube	
		US- 6,882,239	4/19/2005	Miller	
		US- 6,882,546	4/19/2005	Miller	
		US- 6,887,723	5/3/2005	Ondricek et al.	
		US- 6,888,362	5/3/2005	Eldridge et al.	
		US- 6,891,385	5/10/2005	Miller	
		US- 6,900,647	5/31/2005	Yoshida et al.	
		US- 6,900,652	5/31/2005	Mazur	
		US- 6,900,653	5/31/2005	Yu et al.	
		US- 6,910,268	6/28/2005	Miller	
		US- 6,911,814	6/28/2005	Miller et al.	
		2005/0062533	3/24/2005	Vice	
		US- 6,902,416	6/7/2005	Feldman	
		US- 6,902,941	6/7/2005	Sun	
		US- 6,903,563	6/7/2005	Yoshida et al.	
		US- 6,906,506	6/14/2005	Reano et al.	
		US- 6,906,539	6/14/2005	Wilson et al.	
		US- 6,906,542	6/14/2005	Sakagawa et al.	
		US- 6,906,543	6/14/2005	Lou et al.	
		US- 6,907,149	6/14/2005	Slater	
		US- 6,908,364	6/21/2005	Back	
		US- 6,909,297	6/909/297	Ji et al.	
		US- 6,909,300	6/21/2005	Lu et al.	
		US- 6,909,983	6/21/2005	Sutherland	
		US- 6,911,826	6/28/2005	Plotnikov et al.	
		US- 6,911,834	6/28/2005	Mitchell et al.	
		US- 6,911,835	6/28/2005	Chraft et al.	
		US- 6,912,468	6/28/2005	Marin et al.	
		US- 6,913,468	7/5/2005	Dozier II et al.	
		US- 6,914,427	7/5/2005	Gifford et al.	
		US- 6,914,430	7/5/2005	Hasegawa et al.	
		US- 6,917,195	7/12/2005	Hollman	
		US- 6,917,210	7/12/2005	Miller	
		US- 6,917,211	7/12/2005	Yoshida et al.	
		US- 6,917,525	7/12/2005	Mok et al.	
		US- 6,919,732	7/19/2005	Yoshida et al.	
		US- 6,922,069	7/26/2005	Jun	
		US- 6,924,653	8/2/2005	Schaeffer et al.	
		US- 6,924,655	8/2/2005	Kirby	
		US- 6,927,078	8/9/2005	Saijyo et al.	
		US- 6,927,079	8/9/2005	Fyfield	
		US- 6,927,586	8/9/2005	Thiessen	
		US- 6,927,587	8/9/2005	Yoshioka	
		US- 6,927,598	8/9/2005	Lee et al.	
		US- 6,930,498	8/16/2005	Tervo et al.	
		US- 6,933,713	8/23/2005	Cannon	
		US- 6,933,717	8/23/2005	Doganu et al.	
RC		US- 6,933,725	8/23/2005	Lim et al.	

RC		US- 6,933,736	8/23/2005	Kobayashi et al.	
		US- 6,933,737	8/23/2005	Sugawara	
		US- 6,937,020	8/30/2005	Munson et al.	
		US- 6,937,037	8/30/2005	Eldridge et al.	
		US- 6,937,039	8/30/2005	Barr et al.	
		US- 6,937,040	8/30/2005	Maeda et al.	
		US- 6,937,042	8/30/2005	Yoshida et al.	
		US- 6,937,045	8/30/2005	Sinclair	
		US- 6,940,264	9/6/2005	Ryken et al.	
		US- 6,940,283	9/6/2005	McQueeney	
		US- 6,943,563	9/13/2005	Martens	
		US- 6,943,571	9/13/2005	Worledge	
		US- 6,943,574	9/13/2005	Altmann et al.	
		US- 6,944,380	9/13/2005	Hideo et al.	
		US- 6,946,375	9/20/2005	Hattori et al.	
		US- 6,946,859	9/20/2005	Karavakis et al.	
		US- 6,946,860	9/20/2005	Cheng et al.	
		US- 6,948,391	9/27/2005	Brassell et al.	
RC		US- 6,948,981	9/27/2005	Pade	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
RC		DE 42 23 658	1/1993			
		EP 0230348	7/1987			
		EP 0259163	9/1988			
		WO 98/07040	2/1998			
		JP 11-4001	1/6/1999			
		JP 62239050	10/29/1987			
		JP 7012871	1/17/1995			
		EP 0945736	9/29/1999			
		WO 01/07207	7/21/1999			
		JP 4-165361	6/11/1992			
		JP 2-129393	5/17/1990			
RC		EP 0 304 868	03/01/1989			

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
RC		SASWATA BASU and REED GLEASON, "A Membrane Quadrant Probe for R&D Applications," Cascade Microtech, Inc. Beaverton, Oregon, June 1997	
RC		YNOG-DAI KIM, JUN-HWAN SIM, JAE-WOO NAM and JONG-HYUN LEE, "Fabrication of a Silicon Micro-Probe for Vertical Probe Card Application," Jpn. J. appl. Phys. Vol 37 (1998) pp. 7070-7073 Part 1, No. 12B, December 1998	
RC		DONALD G. FINK, "Bridge Circuits, Detectors, and Amplifiers," Electronic Engineers' Handbook, first Edition, 1975, pp. 17-22 - 17-27, McGraw-Hill, Inc. New York	

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